

Evaluation Report for Category B, Subcategory B 3.11 Application (New or Changes to Product Label – New Pests)

Application Number: 2015-2717
Application: Category B, Subcategory B 3.11 (new pests)
Product: TreeAzin Systemic Insecticide
Registration Number: 30559
Active ingredients (a.i.): 5% azadirachtin
PMRA Document Number : 2547298

Background

TreeAzin Systemic Insecticide (Reg. No. 30559) is a liquid formulation containing 5% azadirachtin as the active ingredient. TreeAzin Systemic Insecticide is registered in Canada for application by tree injection, to manage both wood-boring and foliage-feeding insect pests. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend the registration of TreeAzin Systemic Insecticide to include control claims for two new pests: European elm scale and red elm bark weevil, at labelled rates of application.

Chemistry, Health, and Environmental Assessments

Chemistry, health, and environmental assessments were not required for this application.

Value Assessment

European elm scale is an introduced pest that is now widespread in North America. Red elm bark weevil is becoming a serious pest of elms.

Urban trees are widely acknowledged to provide both social and economic benefits. The elm tree population in the city of Calgary alone has an asset value of approximately \$750 million. In addition, the city has invested significant resources into its integrated pest management (IPM) program to protect this resource from European elm scale. TreeAzin Systemic Insecticide for European elm scale would contribute to that IPM program.

Information provided for review included efficacy data from two field trials, one for European elm scale conducted in Lethbridge, Alberta, in 2014-2015 and one for red elm bark weevil conducted at Agriculture and Agri-Food Canada's Lethbridge Research Centre, east of the city of Lethbridge, in 2010-2011. The results show significant reductions in numbers of European elm

scales and red elm bark weevils with TreeAzin Systemic Insecticide treatment at the rate of 3 mL per cm of diameter at breast height.

No phytotoxicity from the use of TreeAzin Systemic Insecticide has been reported. However, the application method of tree injection does cause some wounding of the tree; therefore, the label includes a statement that treating the same trees every year is not recommended.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of TreeAzin Systemic Insecticide to include control claims for European elm scale and red elm bark weevil.

References

List of Studies/Information Submitted by Registrant

- | | |
|---------|---|
| 2546160 | 2015, 2014-2015 TreeAzin Systemic Insecticide Label Expansion Trial: European Elm Scale. DACO 10.2.3.3(C) |
| 2546161 | Booth, M., Goettel, M., 2012, Control of Red Elm Bark Weevil (<i>Magdalis armicollis</i>) in American Elm (<i>Ulmus americana</i>) by Trunk Injection of Azadirachtin. DACO 10.2.3.3(C) |
| 2546162 | 2015, Emergency Use Registration for TreeAzin Systemic Insecticide for Control of European Elm Scale in Alberta. DACO 10.2.2, 10.2.3.1, 10.4, 10.5 |

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